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Propositions

Accompanying the PhD thesis

Peroxisomal membrane protein degradation in yeast

Srishti Devarajan

1. Our current knowledge on peroxisomal membrane protein (PMP) degradation is still in its infancy.
2. The tFT approach can be used to destabilize a protein of interest, to investigate its degradation via quality control (This thesis).
3. Cytosolic quality control proteins are important for peroxisome function in the yeast *Saccharomyces cerevisiae* (This thesis).
4. A Pxa1p mutant degradation model can be used to provide important insights into ALDP mutant instability and the disease ALD (This thesis).
5. PMP degradation plays a fundamental role in human health and disease.
6. Membrane proteins do not always need to be extracted and released into the cytosol before proteasomal degradation can occur (*Smith et al., 2016, J Biol Chem. 291:15082-15092*).
7. “It is a mistake to try to look too far ahead. The chain of destiny can only be grasped one link at a time.”- Winston Churchill
8. “Most of the important things in the world have been accomplished by people who have kept on trying when there seemed to be no hope at all.” – Dale Carnegie